

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1-39. (Canceled)

40. (Currently amended) A medical device delivery system, comprising:
an inner shaft having an outer diameter and an outer surface;
an outer shaft disposed over the inner shaft, the outer shaft having an inner surface;
a self-expanding stent disposed around the inner shaft and positioned between the outer surface of the inner shaft and the inner surface of the outer shaft, the stent including a stent body;

a bumper disposed on the inner shaft, the bumper having an outer diameter greater than the outer diameter of the inner shaft, wherein the bumper includes a bumper retainer, the bumper retainer having an outer diameter greater than the outer diameter of the inner shaft; wherein the bumper retainer includes a projection formed on the bumper; and

a retaining member extending from the stent body, the retaining member being releasably coupled to the bumper retainer.

41. (Previously presented) The medical device delivery system of claim 40, wherein the retaining member includes a partially open cell of the stent.

42. (Previously presented) The medical device delivery system of claim 42, wherein the retaining member includes a radiopaque material.

43. (Previously presented) The medical device delivery system of claim 40, wherein the retaining member includes one or more paddles.

44. (Previously presented) The medical device delivery system of claim 43, wherein the retaining member includes two paddles.

45. (Previously presented) The medical device delivery system of claim 44, wherein each of the paddles includes a leg portion and a head portion.

46. (Canceled)

47. (Previously presented) The medical device delivery system of claim 42, wherein the bumper retainer interdigitates with the retaining member.

48. (Canceled)

49. (Currently amended) A medical device delivery system, comprising:
an inner shaft having an outer diameter and an outer surface;
an outer shaft disposed over the inner shaft, the outer shaft having an inner surface;
a self-expanding stent disposed around the inner shaft and positioned between the outer surface of the inner shaft and the inner surface of the outer shaft, wherein the stent includes a stent body and one or more arms extending from the stent body; and
a bumper disposed on the inner shaft, the bumper having an outer diameter greater than the outer diameter of the inner shaft, wherein the bumper includes a retainer projecting from an outer surface of the bumper and detachably secured with the one or more arms, the retainer having an outer diameter greater than the outer diameter of the inner shaft.

50. (Currently amended) A medical device delivery system, comprising:
an inner shaft having an outer diameter and an outer surface;
an outer shaft disposed over the inner shaft, the outer shaft having an inner surface;
a self-expanding stent disposed around the inner shaft and positioned between the outer surface of the inner shaft and the inner surface of the outer shaft;

a bumper disposed on the inner shaft, the bumper having an outer diameter greater than the outer diameter of the inner shaft;

wherein the stent includes means for securing the stent to the bumper; and

wherein the bumper includes means for retaining the stent projecting radially outward from the bumper, the means for retaining the stent having an outer diameter greater than the outer diameter of the inner shaft and being coupled with the means for securing the stent to the bumper.